

Title (en)
TONER PARTICLES FOR ELECTROPHOTOGRAPHY AND ELECTROPHOTOGRAPHIC PROCESS UTILIZING SAME.

Title (de)
TONERPARTIKEL FÜR DIE ELEKTROPHOTOGRAPHIE UND SIE VERWENDENDEN ELEKTROPHOTOGRAPHISCHES VERFAHREN.

Title (fr)
PARTICULE D'IMPRESSION POUR ELECTROPHOTOGRAPHE ET PROCEDE ELECTROPHOTOGRAPHIQUE UTILISANT CES PARTICULES.

Publication
EP 0035573 A4 19810828 (EN)

Application
EP 80901548 A 19810309

Priority
JP 10595479 A 19790822

Abstract (en)
[origin: WO8100628A1] Fine toner particles containing (a) 62 to 99.4 wt.% binder comprising bisphenol A/epichlorohydrin type epoxy resin having a melting point of 60 to 160 C, an epoxy equivalent of about 450 to about 5,500, and a molecular weight of about 900 to about 8,250, (b) 0.6 to 8 wt. % carbon, (c) 0 to 5 wt.% dye and, if necessary, (d) 0 to 20 wt.% montanic acid ester wax. Images formed by using the toner particles do not emit an offensive odor upon being fixed by a flash-fixing method.

IPC 1-7
G03G 9/08; **G03G 13/20**

IPC 8 full level
G03G 9/087 (2006.01); **G03G 15/20** (2006.01)

CPC (source: EP US)
G03G 9/08753 (2013.01 - EP US); **G03G 9/08782** (2013.01 - EP US)

Citation (search report)
• US 3639245 A 19720201 - NELSON ROBERT B [US]
• US 3753910 A 19730821 - MITSUHASHI Y, et al
• GB 1496558 A 19771230 - OCE VAN DER GRINTEN NV
• GB 1210665 A 19701028 - ADDRESSOGRAPH MULTIGRAPH [US]
• GB 1080047 A 19670823 - KALLE AG

Cited by
DE3119044A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0035573 A1 19810916; **EP 0035573 A4 19810828**; **EP 0035573 B1 19850612**; **EP 0035573 B2 19890412**; DE 3070756 D1 19850718;
IT 1132456 B 19860702; IT 8024253 A0 19800822; JP S5630139 A 19810326; JP S598825 B2 19840227; US 4352877 A 19821005;
WO 8100628 A1 19810305

DOCDB simple family (application)
EP 80901548 A 19810309; DE 3070756 T 19800820; IT 2425380 A 19800822; JP 10595479 A 19790822; JP 8000187 W 19800820;
US 25383781 A 19810421